



E-Toys for Boys and Girls





Toys for Boys



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Toolbox Treasure Hunters



Without Data, it's just another Opinion



Trends, tend to tell tales



The Toolbox Treasure Hunter

- Air Compressors
- Tenant Dispute
- Automated Remote Monitoring
- Long Term Energy Management Studies
- * Energy Efficient Operation of Commercial Buildings by Peter Herzog



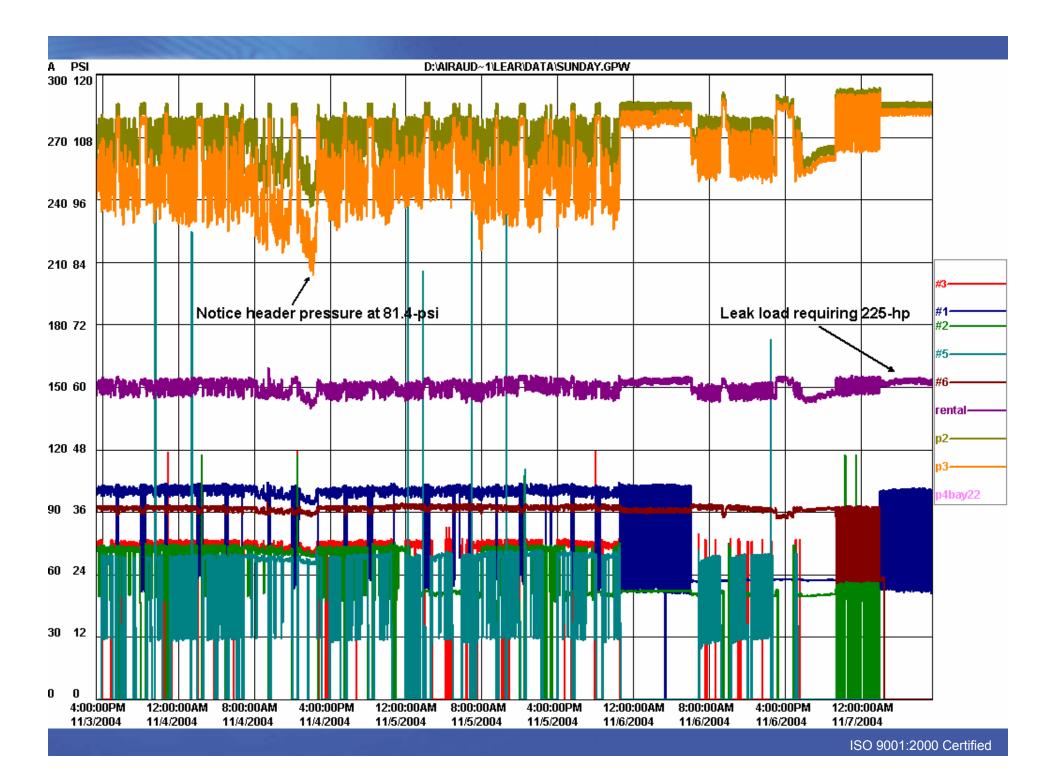
Air Compressors

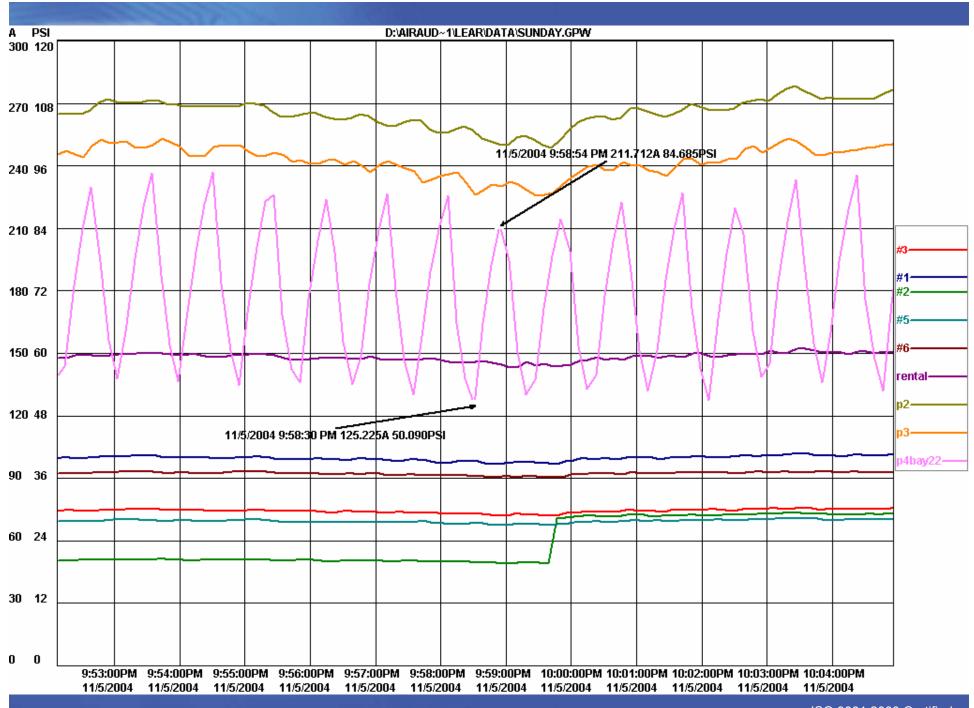


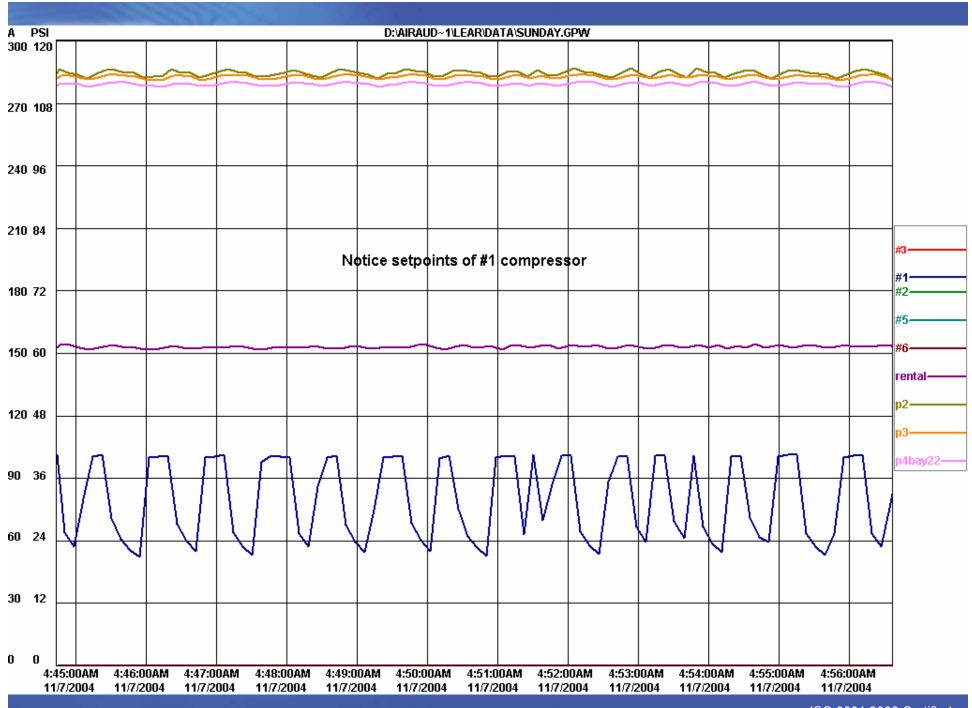


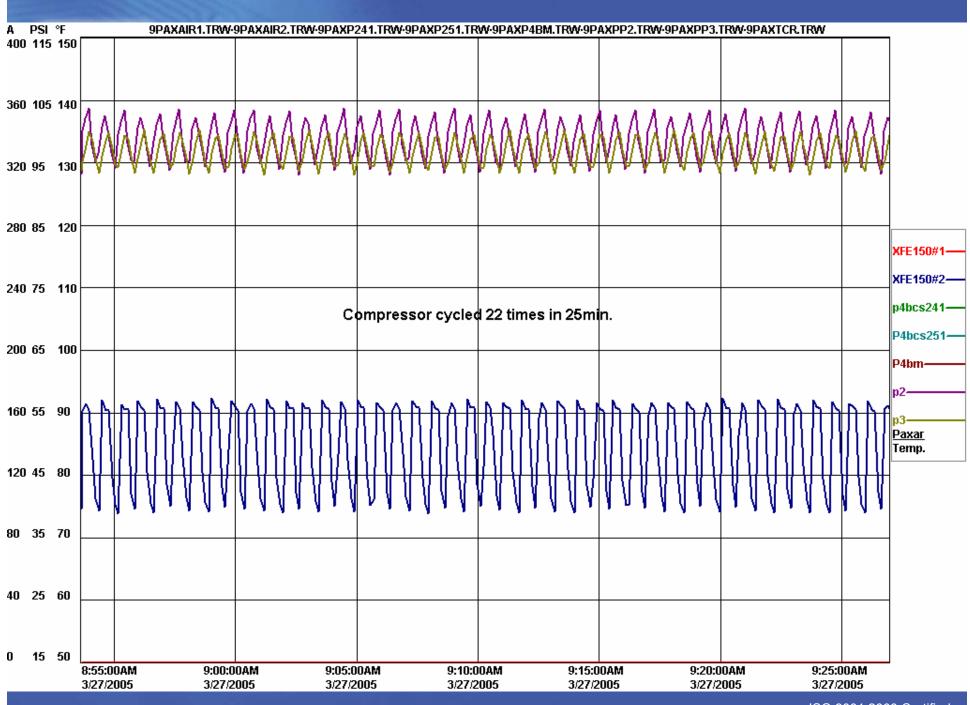
Current

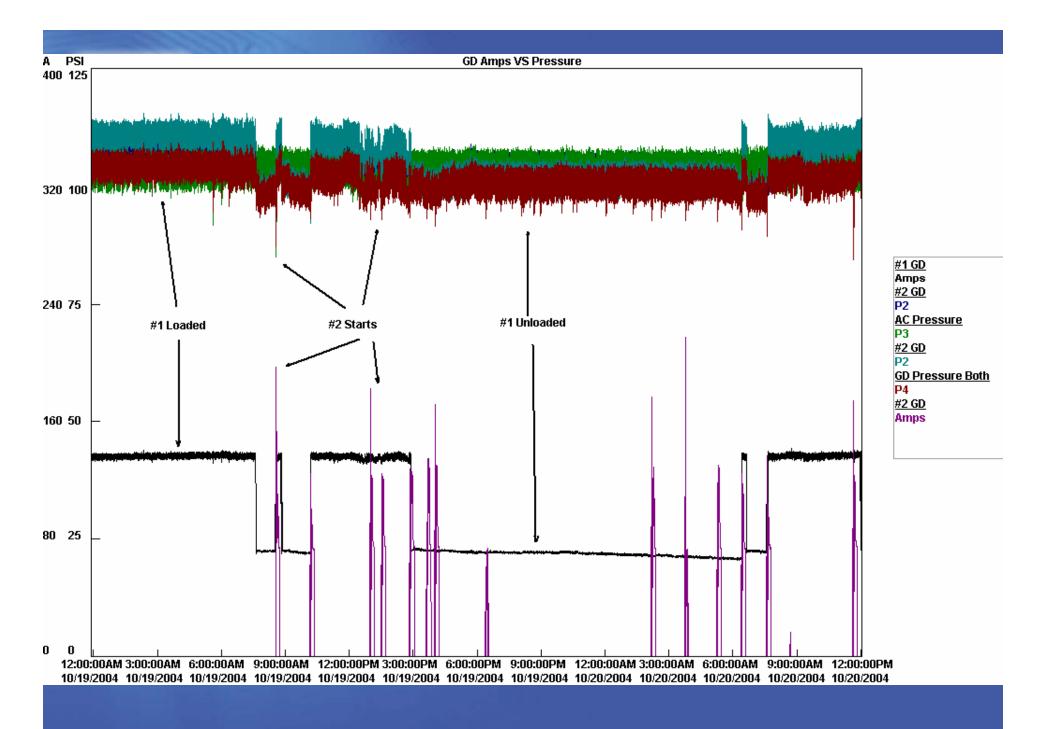
Pressure

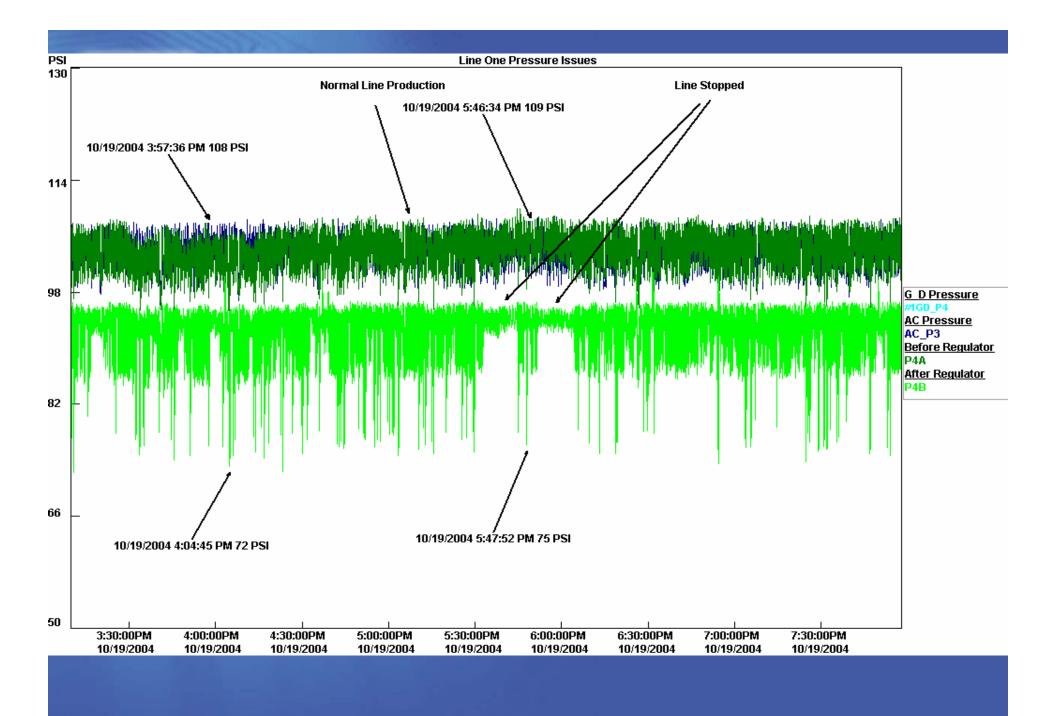


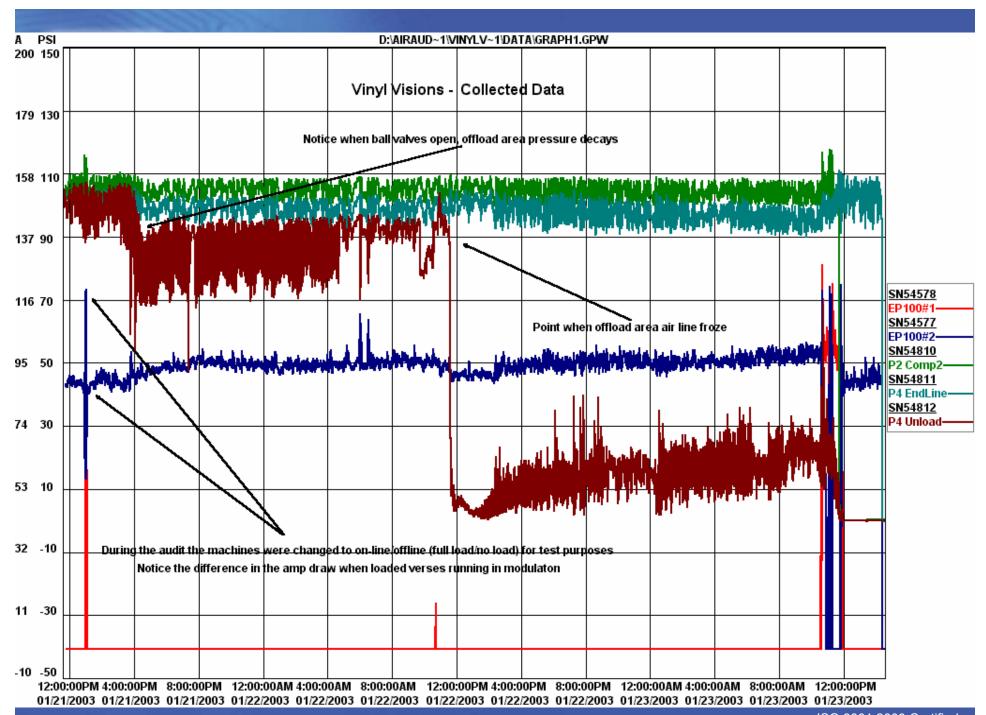


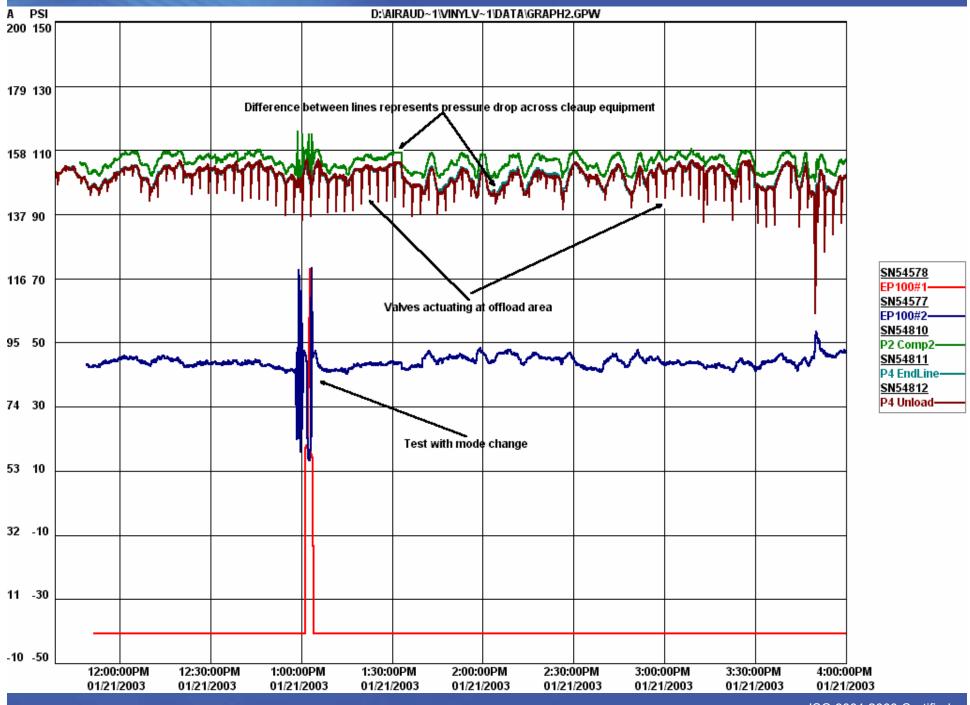


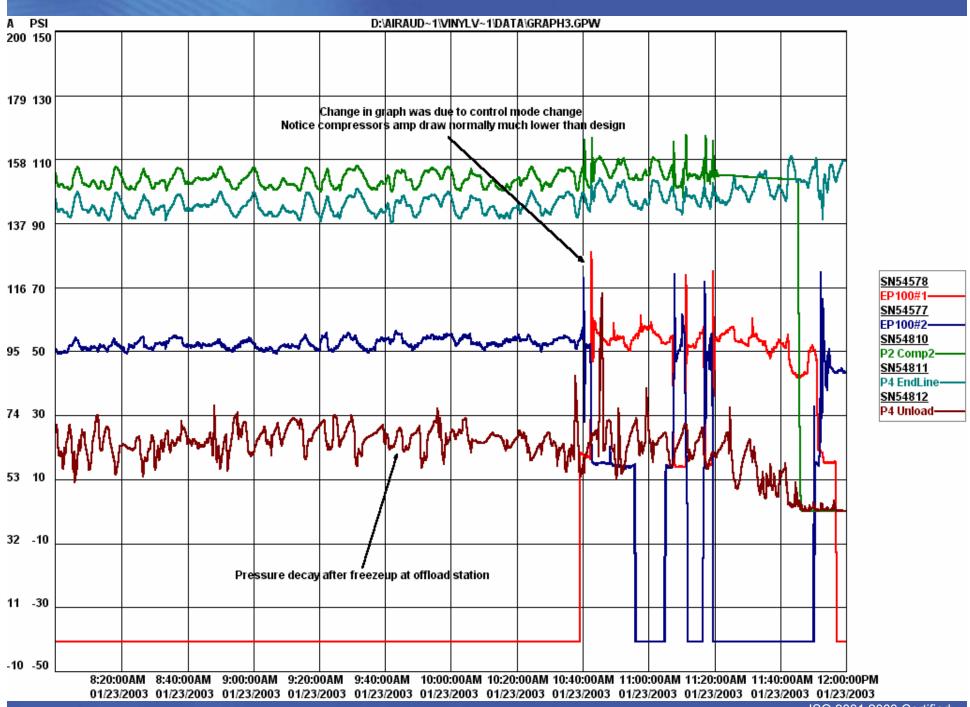


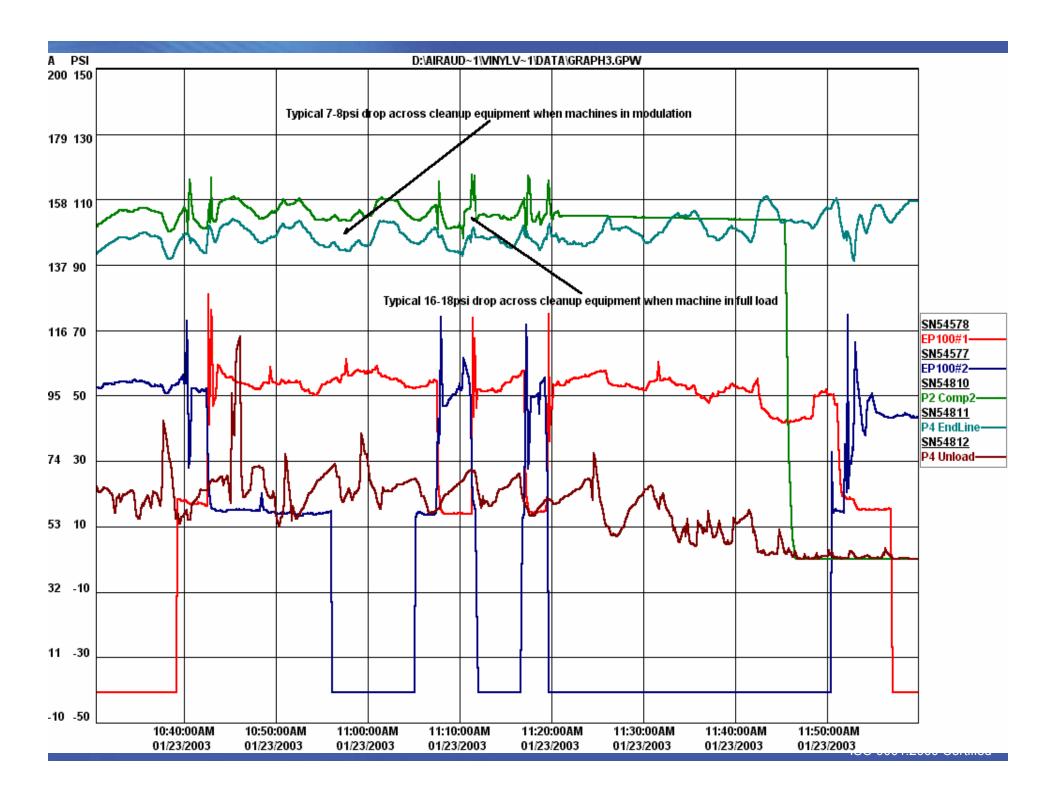


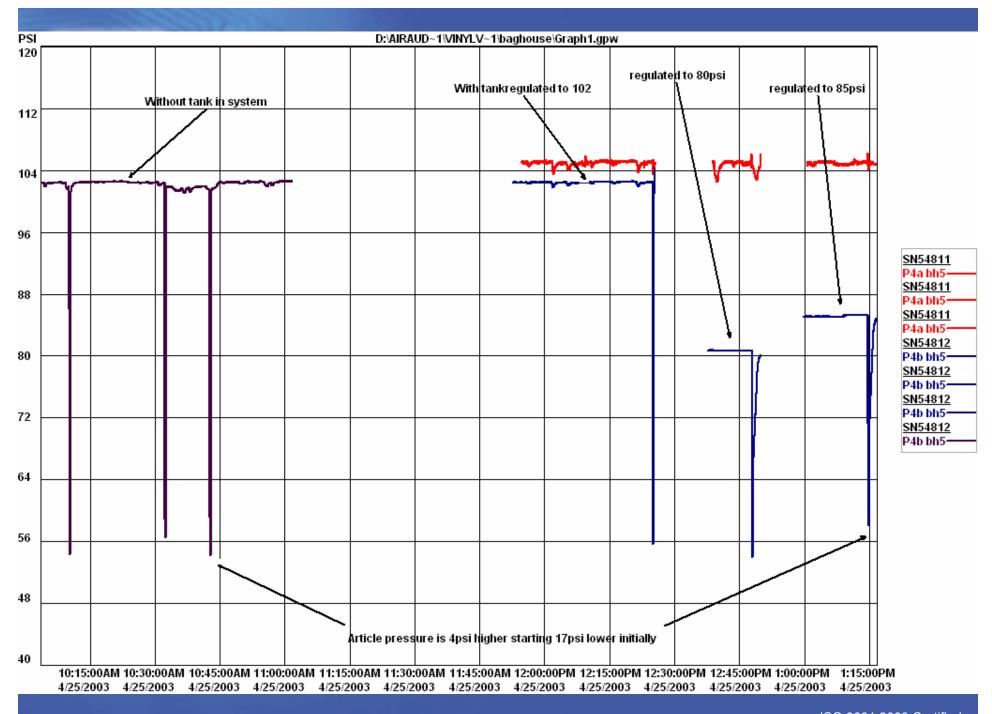


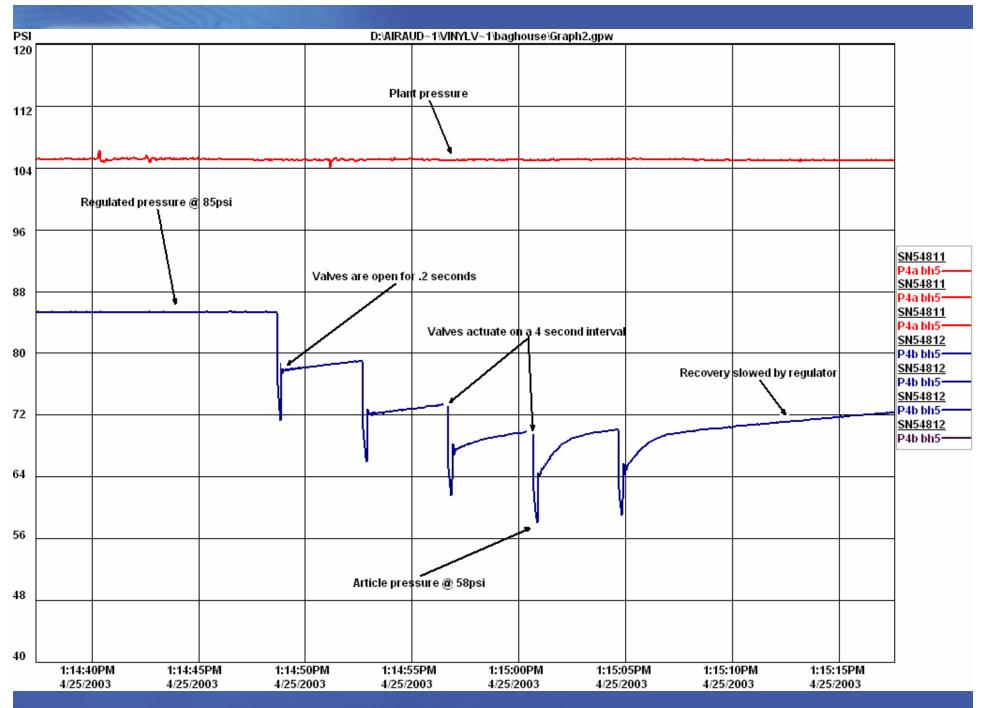


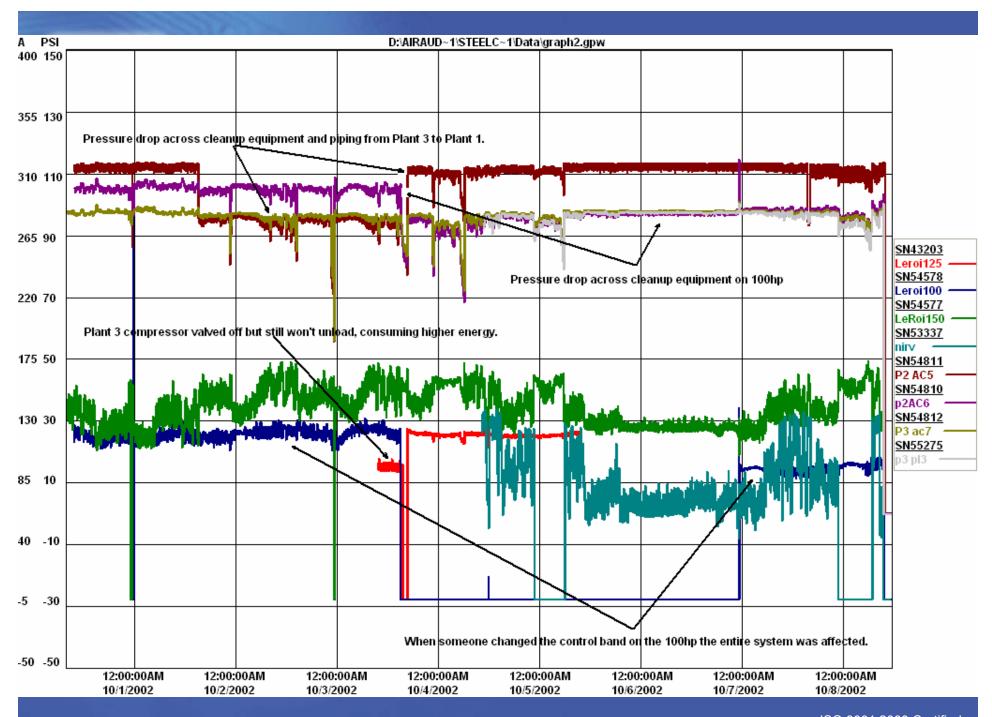


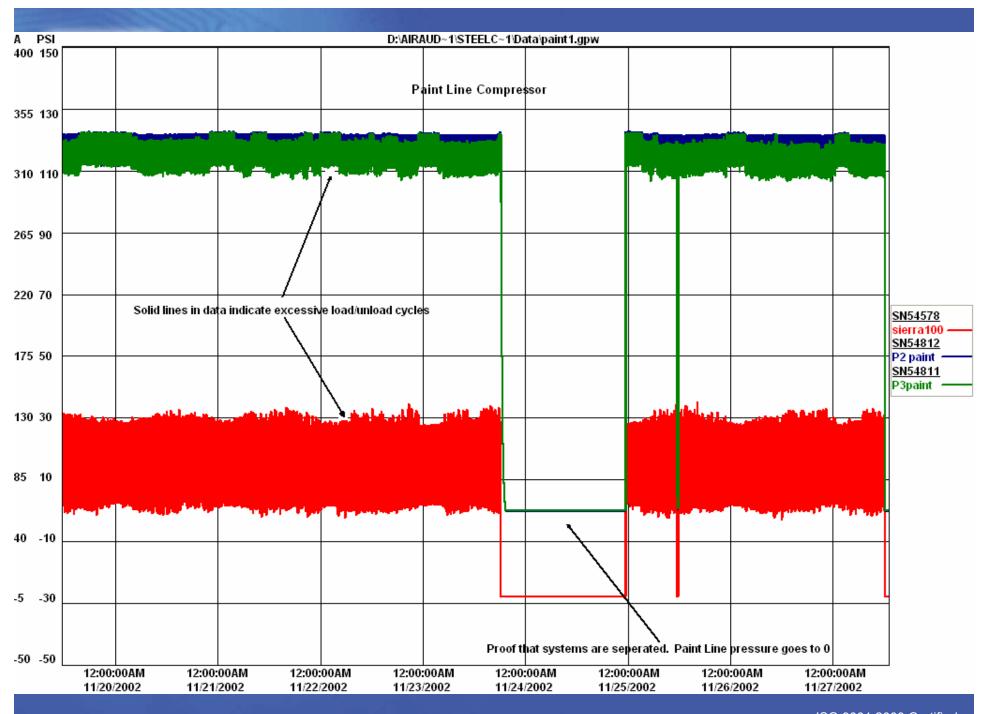


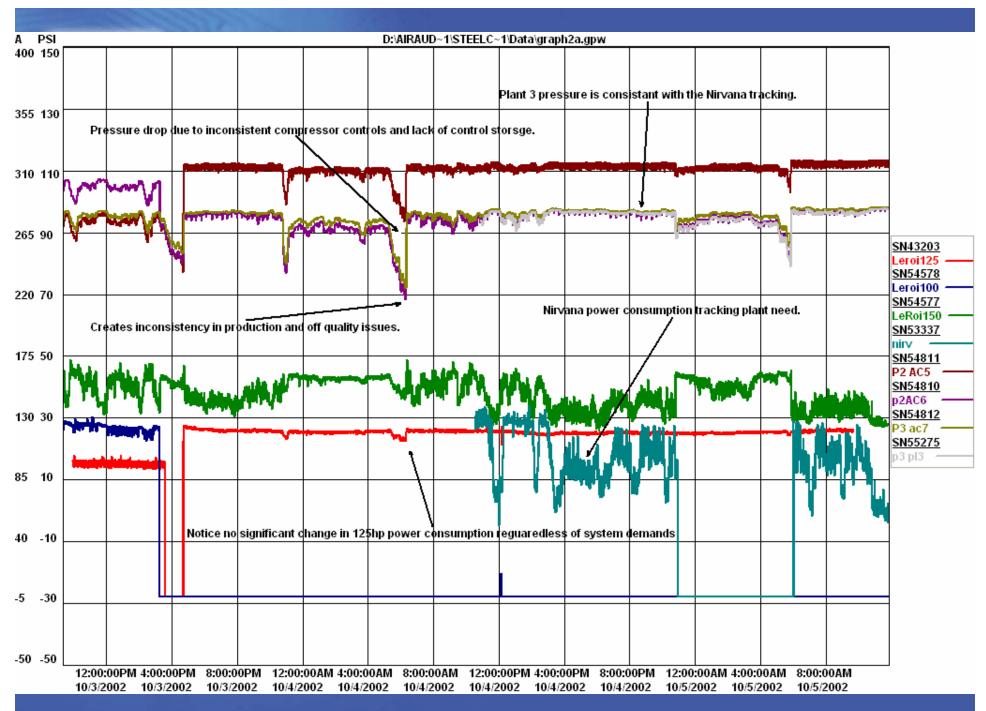


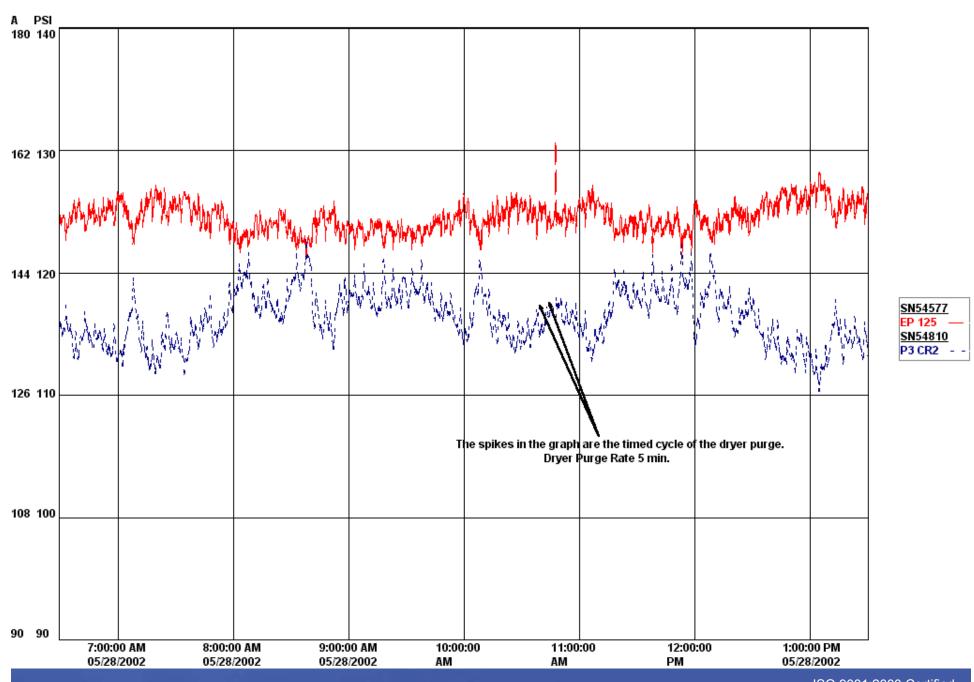


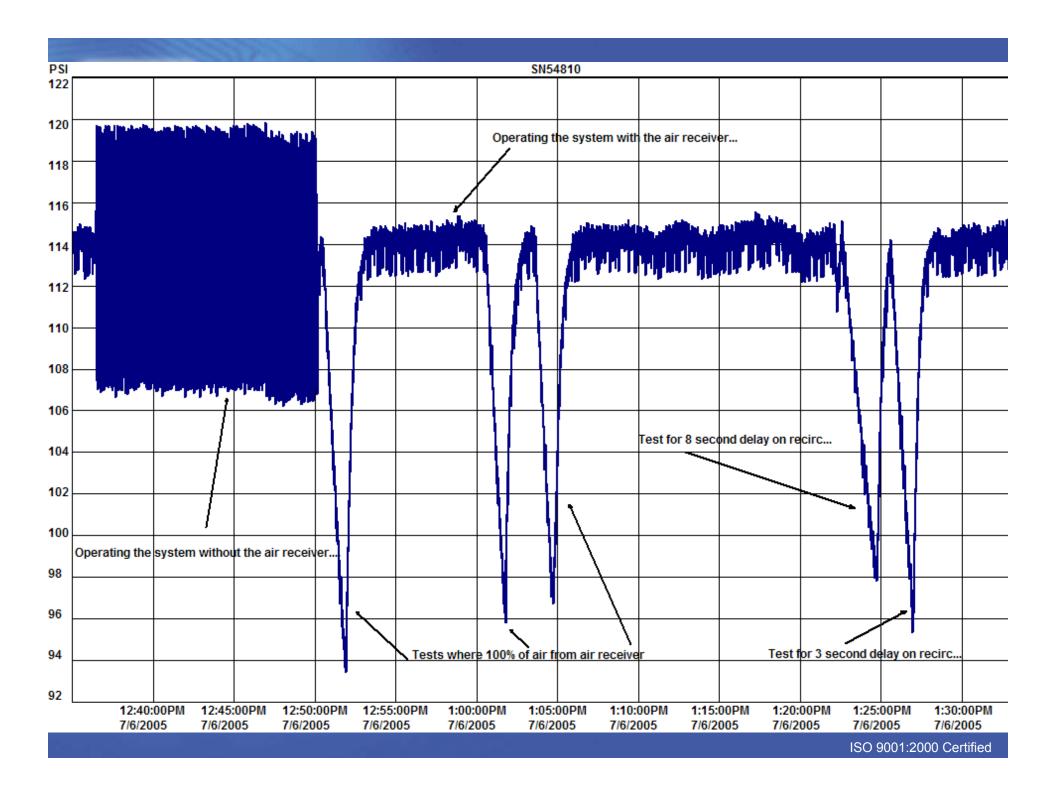


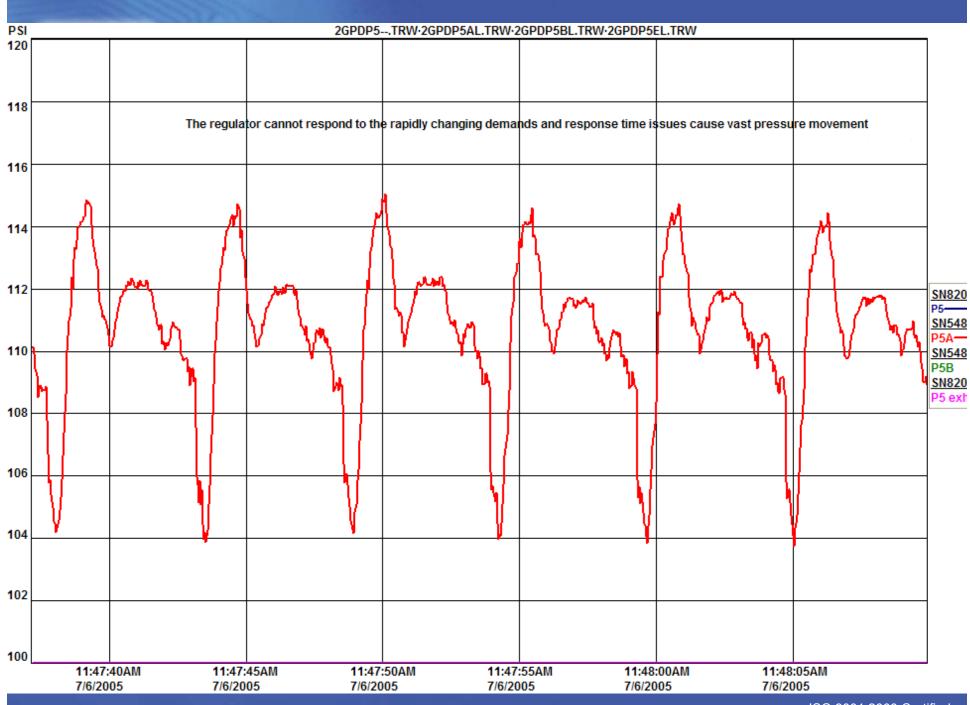










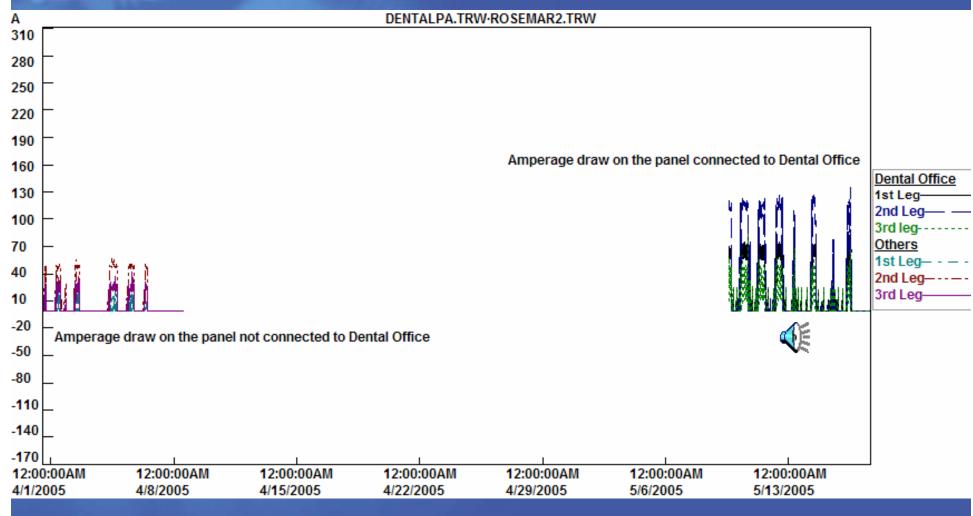


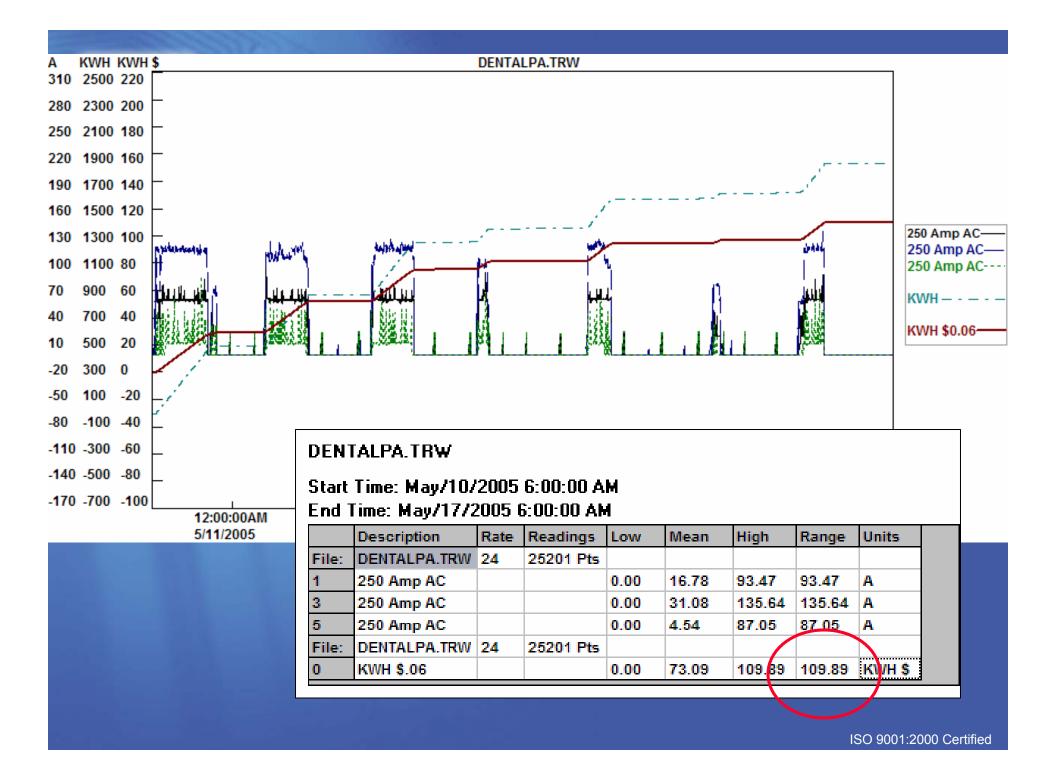


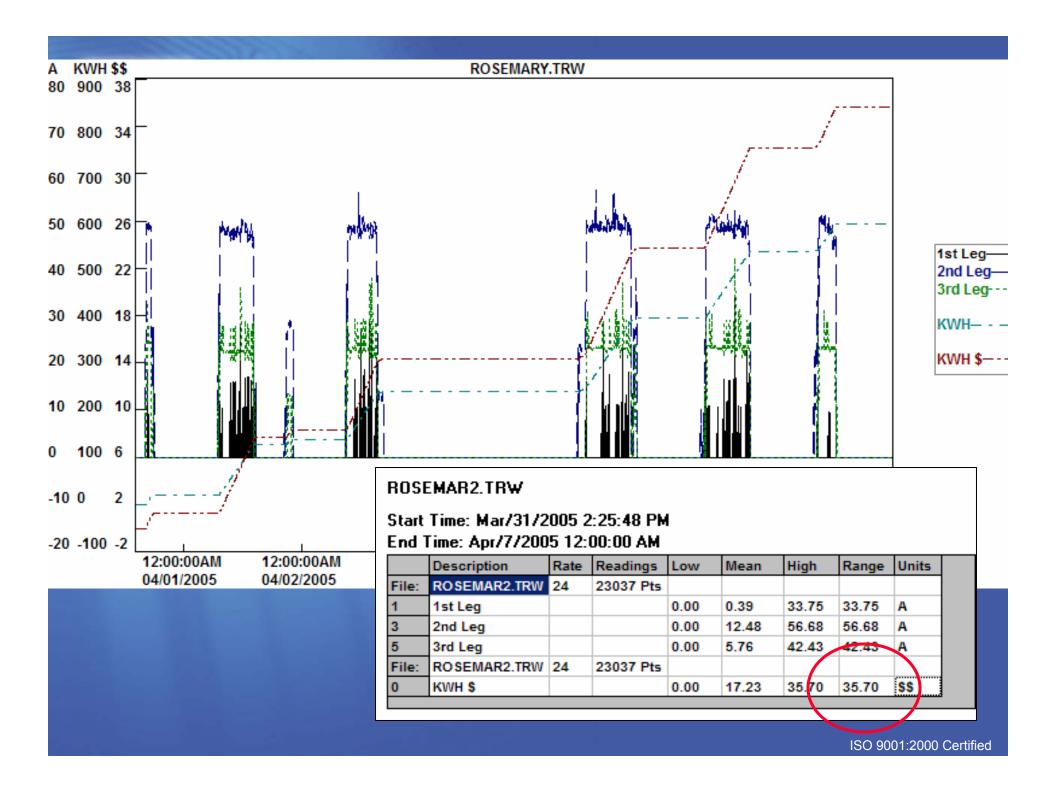
Tenant Dispute

- A dental office takes up 27% of the space
- The dental office is pro rated 27% of the energy consumption
- But as you can see they are responsible for 70% of the energy consumed





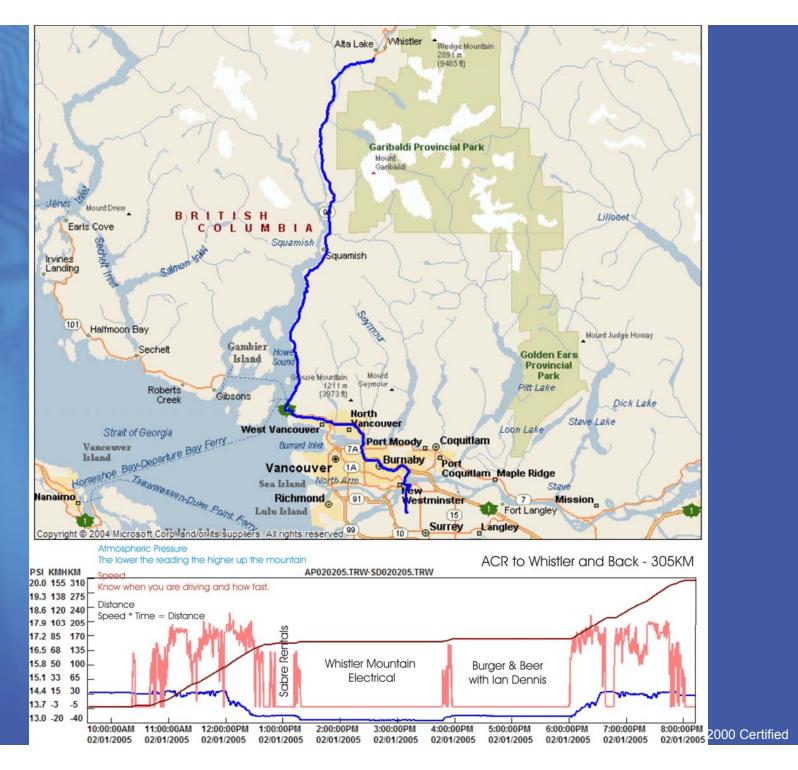


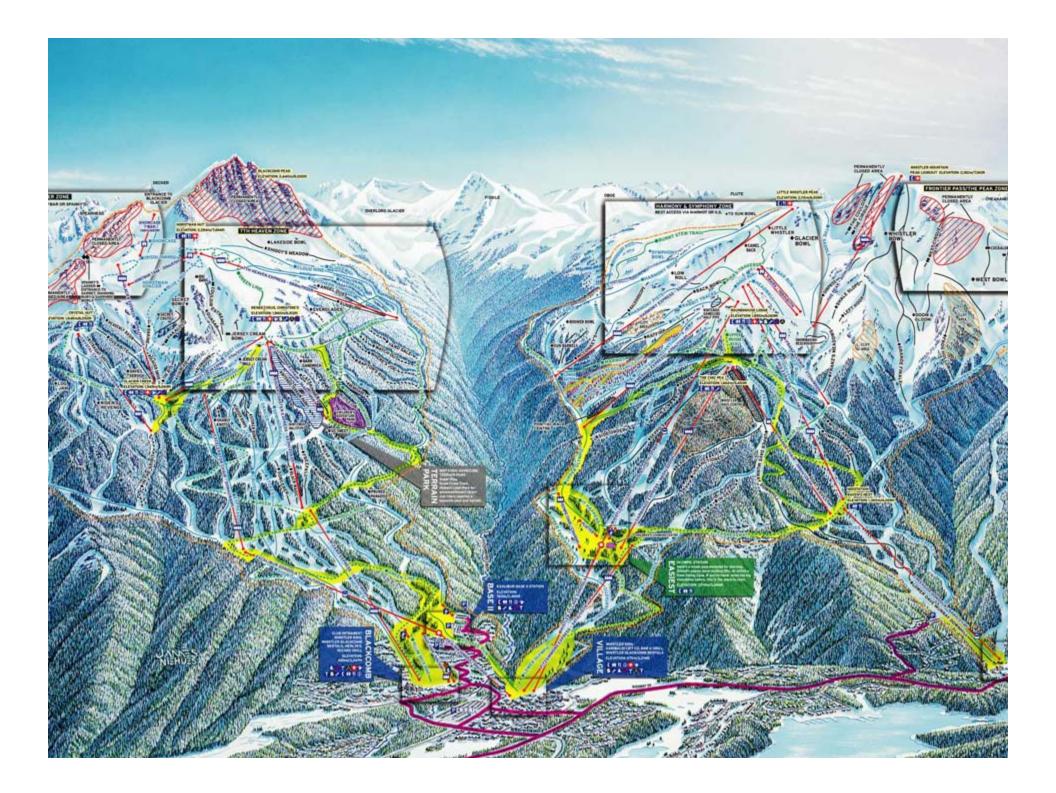




Automated Remote Monitoring

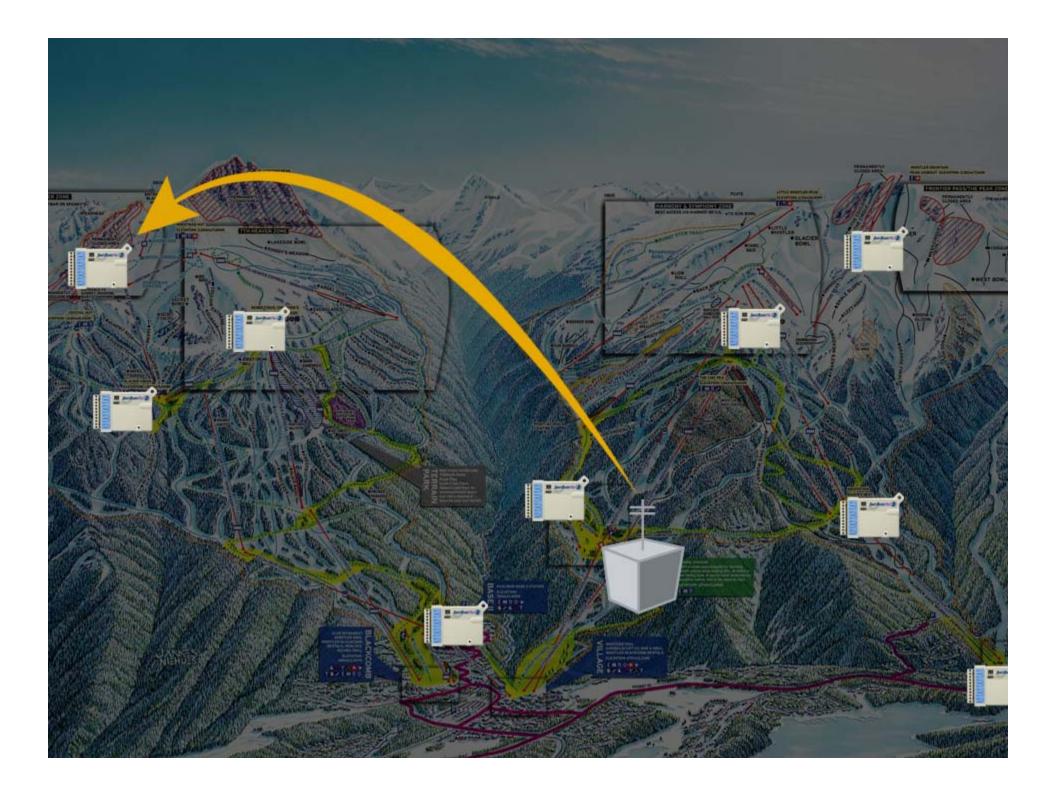


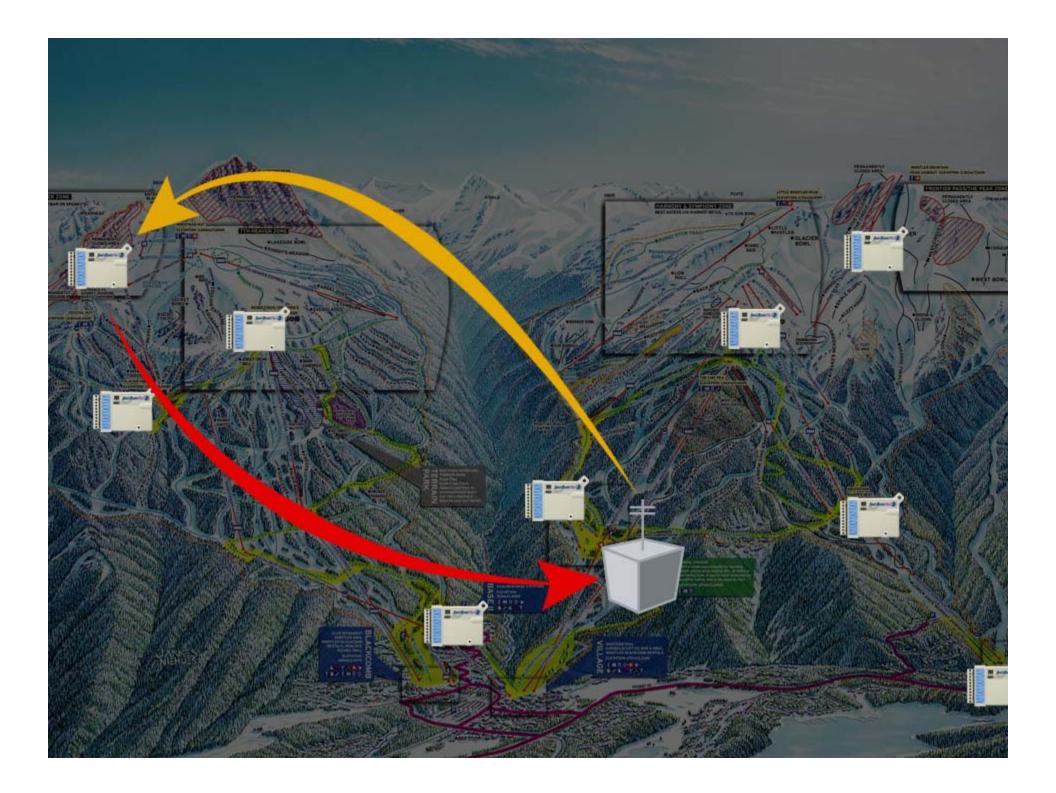


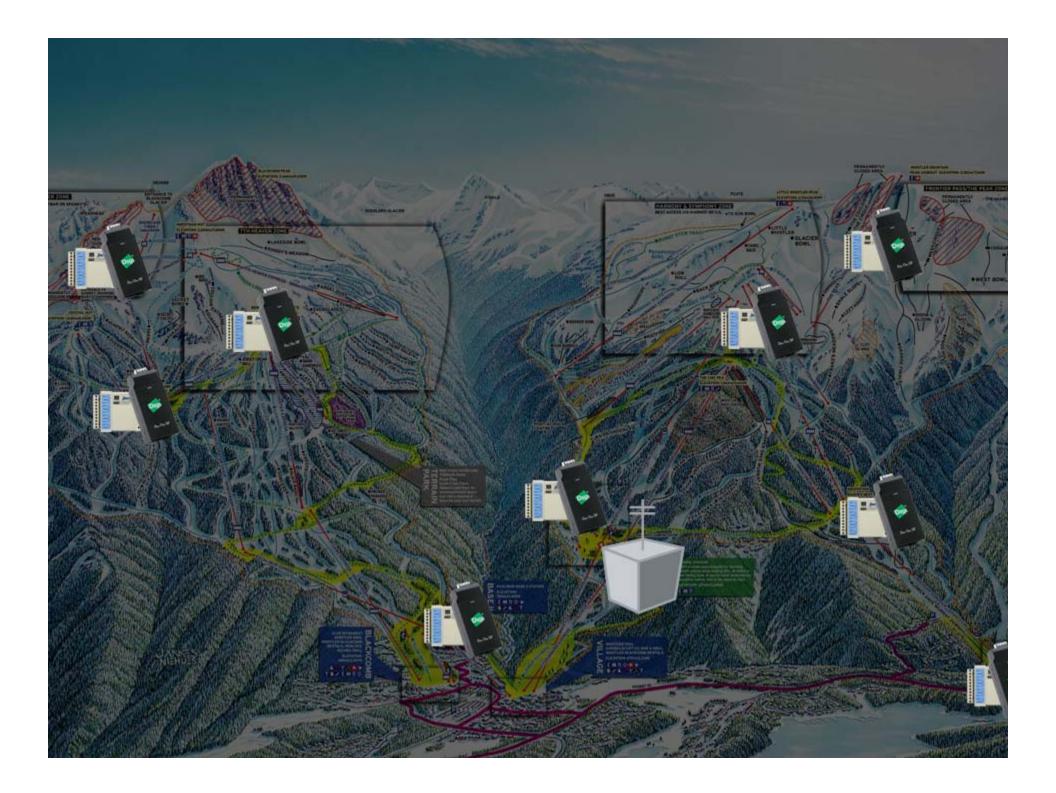


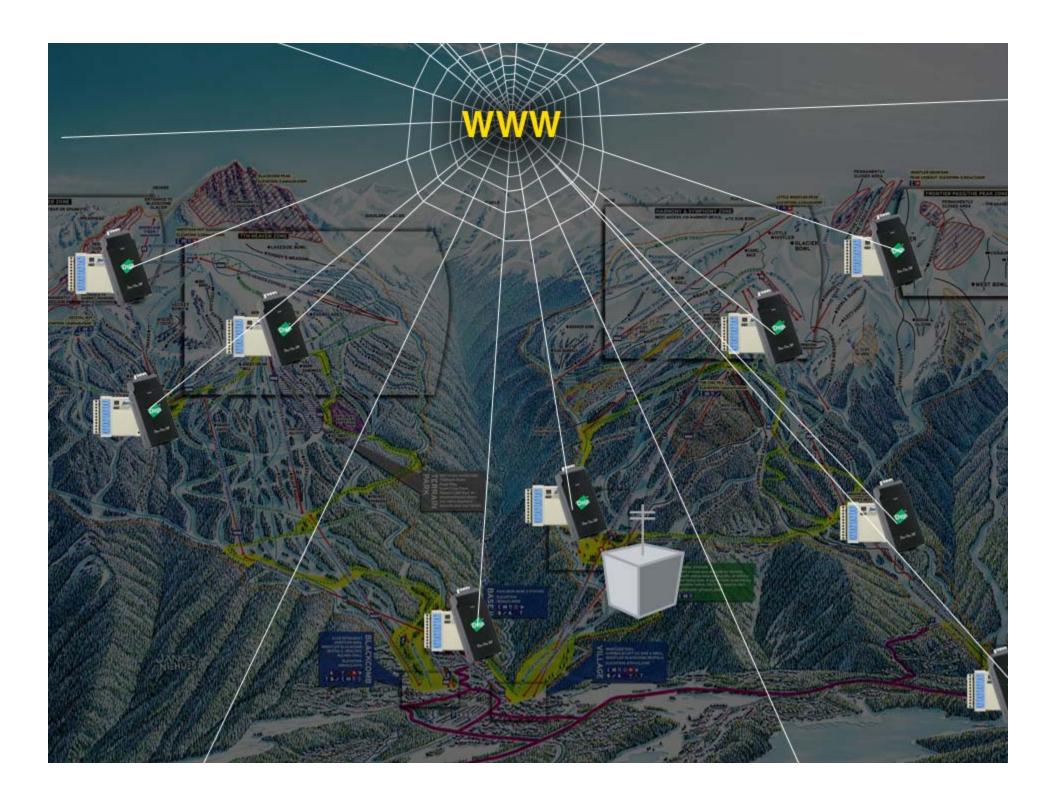


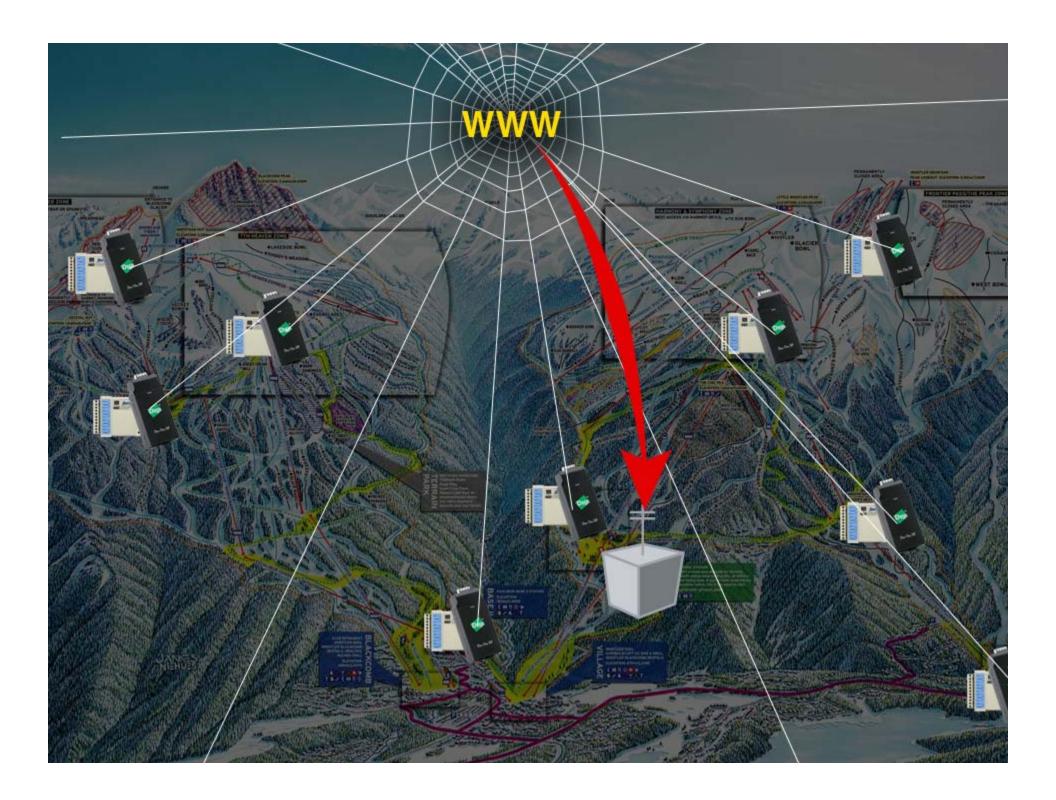
















RLW Analytics measurement and verification project involving the California ENERGY STAR NEW HOMES program







measure the amperage of the condenser



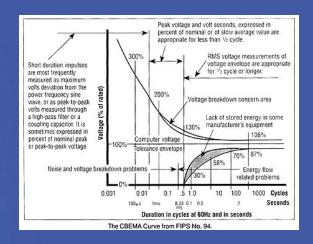
calculate the total gas consumption of the furnace

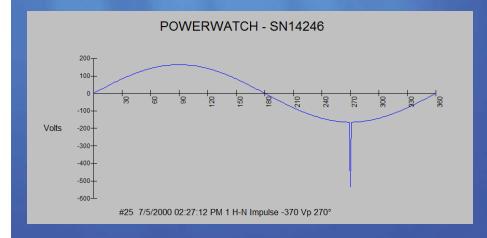


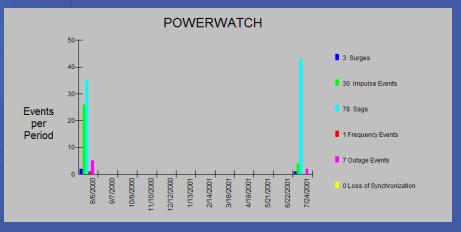
Power Quality Analyzer



CBEMA









Energy – Efficient Operation of Commercial Buildings by Peter Herzog

- Efficient Operation: The Missing Component of Energy Management
- An Introduction to Energy-Efficient Building Operation
- Identify Energy-Consuming Devices
- Estimating Electrical Energy Use
- Estimating Fuel Energy Use
- •A Process for Achieving Operating Efficiency
- Applying the Process to Overhead Lighting
- Applying the Process to Air-Handling Units
- Adapting the Process to Various Facility Types
- Estimating the Annual Cost to Operate Electrical Devices
- Estimating the Annual Cost to Operate Fuel-Consuming Devices
- Estimating Demand Costs



ACR Toy Box for Boys and Girls





